

```

1 // fo1/7/bank/FeeAccount.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 /**
7  * A FeeAccount is a BankAccount with one new feature:
8  * the user is charged for each transaction.
9  *
10 * @see BankAccount
11 *
12 * @version 7
13 */
14
15 public class FeeAccount extends BankAccount
16 {
17     /**
18     * Constructor, accepting an initial balance and issuing Bank.
19     *
20     * @param initialBalance the opening balance.
21     * @param issuingBank the bank that issued this account.
22     *
23     * @exception InsufficientFundsException when appropriate.
24     */
25
26     public FeeAccount( int initialBalance, Bank issuingBank )
27     throws InsufficientFundsException
28     {
29         super( initialBalance, issuingBank);
30     }
31
32     /**
33     * The Bank's transaction fee.
34     *
35     * @return the fee.
36     */
37
38     protected int getTransactionFee()
39     {
40         return getIssuingBank().getTransactionFee();
41     }
42
43     /**
44     * The way a transaction is counted for a FeeAccount: it levies
45     * a transaction fee as well as counting the transaction.
46     *
47     * @exception InsufficientFundsException when appropriate.
48     */
49
50     public void countTransaction()
51     throws InsufficientFundsException
52     {
53         incrementBalance( - getTransactionFee() );
54         super.countTransaction();
55     }
56

```

```

57     /**
58     * A FeeAccount incurs a monthly charge.
59     *
60     * @exception InsufficientFundsException when appropriate.
61     */
62
63     public void newMonth()
64     throws InsufficientFundsException
65     {
66         incrementBalance( - getIssuingBank().getMonthlyCharge());
67     }
68 }

```